

U.S. Patent Application No.: 09/926,446
Response Under 37 C.F.R. §1.111 dated August 3, 2004
Response to the Office Action dated May 5, 2004

In the Specification

Amend the title to read as follows:

A PROGRAMMABLE CONTROLLER HAVING PLURAL SPEED PATTERN GENERATORS

Amend the paragraph on page 7, lines 14 – 23 to read as follows:

In addition, in the user operation portion 14, it is possible to perform processing (various filtering operations) to the algebraic sum waveform of values (trapezoids) of the results portion 13, which are calculation results from the speed pattern generator 12. The user operation portion 14 is constructed such that the user can perform processing such as superposition and the like by use of a mouse and the like in a dialogue manner while monitoring a polygonal waveform of the calculated results which is ~~displaced~~ displayed on a display device (unillustrated).

Amend the paragraph on page 8, lines 11 – 14 to read as follows:

(3) Generation of a speed pattern of a trapezoid GHIJ is carried out at a time t_2 , and since this output is in the ~~acceleration~~ acceleration direction, this output is added to the output 2 and the resulting pattern is set as an output 3.